

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
6 May 2005 (06.05.2005)

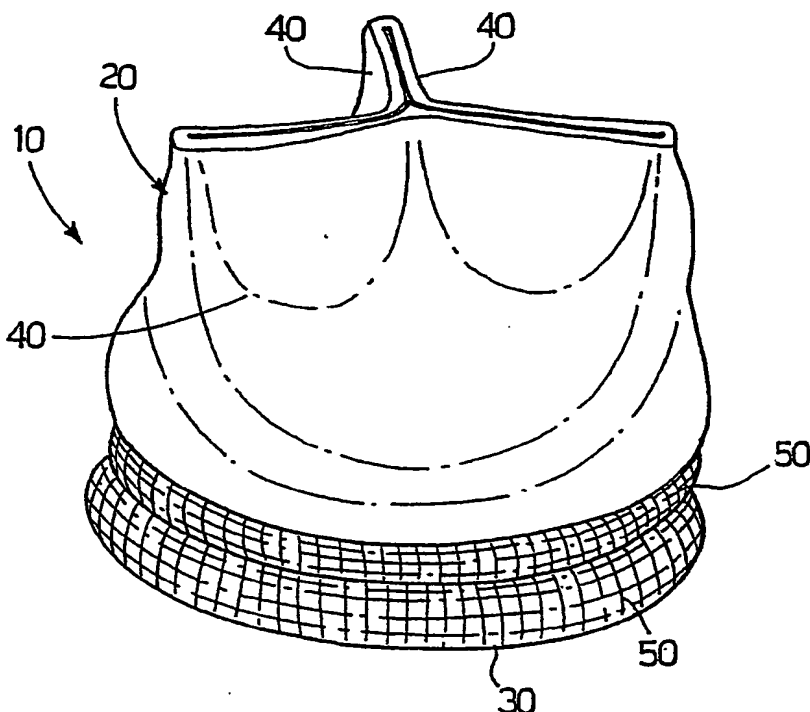
PCT

(10) International Publication Number  
**WO 2005/039452 A1**

- (51) International Patent Classification<sup>7</sup>: A61F 2/24 (74) Agents: JORIO, Paolo et al.; c/o Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).
- (21) International Application Number: PCT/IB2004/003480 (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 21 October 2004 (21.10.2004)
- (25) Filing Language: Italian
- (26) Publication Language: English
- (30) Priority Data: BO2003A 000631 23 October 2003 (23.10.2003) IT
- (71) Applicants and  
(72) Inventors: PARRAVICINI, Roberto, Erminio [IT/IT]; Viale Virginia Reiter, 51/02, I-41100 Modena (IT). VERONA, Alessandro [IT/IT]; Largo Zandonai, 3, I-20145 Milano (IT).
- (72) Inventor; and  
(75) Inventor/Applicant (for US only): CENTOLA, Marcos [IT/BR]; Rua Boavista, 537, San Jose' de Rio Preto, 15025-010 San Paolo (BR).
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:  
— with international search report

[Continued on next page]

(54) Title: A PROSTHETIC VALVE APPARATUS, IN PARTICULAR FOR CARDIAC APPLICATIONS



(57) Abstract: A prosthetic valve apparatus (10), in particular for cardiac applications. The apparatus (10) comprises a valve prosthesis (20) fastened to a suture ring (30). The apparatus (10) further provides for the valve prosthesis (20) to be fastened to the suture ring (30) by means of a plurality of magnets (21d, 30b) which provide a magnetic attraction between the two components.

WO 2005/039452 A1

**WO 2005/039452 A1**



---

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*